IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application		)	PATENT APPLICATION
		)	
Inventor(s):	David L. Multer	)	
	Robert E. Garner	)	
	Leighton A. Ridgard	)	
	Liam J. Stannard	)	
	Donald W. Cash	)	
		)	
SC/Serial No.:	Unknown	)	
		)	
Filed:	Herewith	)	
		)	
Title: DATA TRANSFER AND SYNCHRONIZATION SYSTEM		)	**Customer No. 23910**
		)	

CERTIFICATE OF MAILING BY "EXPRESS MAIL" UNDER 37 C.F.R. §1.10

"Express Mail" mailing label number: **EL 622 697 412 US**
Date of Mailing: January 2, 2001

I hereby certify that this correspondence is being deposited with the United States Postal Service, utilizing the "Express Mail Post Office to Addressee" service addressed to **Box PATENT APPLICATION, Commissioner for Patents, Washington, DC 20231** and mailed on the above Date of Mailing with the above "Express Mail" mailing label number.

(Signature)

Johann S. Mercado
Signature Date: January 2, 2001

PRELIMINARY AMENDMENT

Box PATENT APPLICATION
Commissioner for Patents
Washington, D.C. 20231

Sir:

Please enter amendments to the accompanying application as follows:

Amendments

In the Specification:

Please amend the title by deleting the title and inserting therefor "SYNCHRONIZATION SYSTEM APPLICATION OBJECT INTERFACE".

On page 1, line 1, please insert -This application is a continuation of Application Serial No. 09/490,550, filed January 25, 2000.--

On page 1, line 7, please insert a period after "whatsoever".

On page 2, line 10, after "organizer," insert --a notebook computer--.

On page 2, line 10, delete "perhaps".

On page 2, line 10, delete "The individual may".

On page 2, delete lines 11-13.

On page 3, line 14, delete "determinant" and insert therefor --determination-- and delete "allows" and insert therefor --requires--.

On page 3, line 25, delete "instances" and insert therefor --cases--.

On page 4, line 5, delete "relatively".

On page 5, line 12 - page 7, line 9, delete the "SUMMARY OF THE INVENTION" and insert therefor:

--The invention, roughly described, comprises an application object for a synchronization system on a network coupled processing device, comprising a plurality of objects, each object translating third party data to a universal middle format, including a root object providing an entry point into individual application databases; and at least one child object; and at least one interface object. The synchronization system is useful in maintaining matching records and data for a user across multiple network coupled devices.

In a further embodiment, an application object on a server coupled to a network, comprises an application data function call interpreter. The interpreter is accessible to a synchronization engine and an application running on a network coupled device having user data; and a universal data record mapping formatter.--

On page 9, line 18, please insert the following paragraph:

--Personal Information Space

As used herein, the term "personal information space" means a data store of information customized by, and on behalf of a user including contacts, events, bookmarks, tasks, notes, and other data objects such as text files or data files which belong to the user.--

On page 10, line 18, please delete "(an" and insert therefor --(and--.

On page 19, line 9, after "data packages," please insert --an example of--.

On page 26, line 14, please delete "sync server" and insert therefor –Sync Server–.

On page 31, line 27, after "devices" insert --Hence, the user's personal information store is maintained on a user-by-user basis.--

On page 32, line 7, delete "would free" and insert therefor --frees--.

On page 34, line 18, before "Folder" insert --The– and after "also" insert --a--.

On page 34, line 20, insert --The-- before "***FindItem***".

On page 34, line 22, insert --The-- before "***ModifyItem***".

On page 34, line 27, insert --The-- before "Item object".

On page 35, line 7, insert --The-- before "Attachment".

On page 35, line 8, delete "Only Item can" and insert therefor --Only the item object can--.

On page 36, line 29, after "Another" insert --exemplary--.

On page 36, line 29, delete "that is worth exploring is Binary. Binary" and insert therefor --is Binary. A Binary--.

On page 36, line 30, after "represent" delete "a".

On page 63, line 22, delete "bite" and insert therefor --byte--.

On page 63, line 25, delete "bite" and insert therefor --byte--.

On page 63, line 27, delete "bites" and insert therefor --bytes--.

On page 63, line 28, delete "bites" and insert therefor --bytes--.

On page 63, line 29 delete "bites" and insert therefor --bytes--.

On page 63, line 30, delete "bites" and insert therefor --bytes--.

On page 65, line 3, delete "allocation" and insert therefor --application--.

In the Claims:

Please delete claims 1-79 and insert therefor:

80. An application object for a synchronization system on a network coupled processing device, comprising:

a plurality of objects, each object translating third party data to a universal middle format, including

a root object providing an entry point into individual application databases;

at least one child object; and

at least one interface object.

81. The application object of claim 80 wherein the at least one interface object is a component object model interface.

82. The application object of claim 80 wherein the root object is specific to the application on the network coupled device to which the application object is a part.

83. The application object of claim 80 wherein a parent object of said at least one child object is the root object.

84. The application object of claim 83 wherein the child object is a store object comprising a database of individual application information.

85. The application object of claim 84 wherein the store object is a parent object of at least a second child object and said at least second child object comprises a folder object.

86. The application object of claim 85 wherein the folder object is a parent object of at least a third child object and said at least third child object comprises an item object.

87. The application object of claim 86 wherein the item object is a parent object of at least a fourth child object and said at least fourth child object comprises an attachment object.

88. The application object of claim 87 wherein the item object is a parent object of at least a fourth child object and said at least fourth child object comprises an attachment object.

89. The application object of claim 88 wherein the root object is a parent object of at least a fifth child object and said at least fifth child object comprises a variant object.

90. The application object of claim 89 wherein the variant object is a collection representing an array of variant objects.

91. The application object of claim 89 wherein the variant object is a binary data object.

92. The application object of claim 80 wherein said at least one interface object comprises an object identification interface accessible by said root object.

93. The application object of claim 80 wherein said at least one interface object comprises an item container interface.

94. The application object of claim 80 wherein said at least one interface object comprises a read/write interface.

95. The application object of claim 80 wherein said at least one interface object comprises a logon interface to the application.

96. The application object of claim 80 further including a universal data structure mapping module.

97. The application object of claim 80 wherein said objects are temporarily instantiated and released by code operating on the network coupled processing device.

98. An application object on a server coupled to a network, comprising:

an application data function call interpreter, the interpreter being accessible to a synchronization engine and an application running on a network coupled device having user data; and

a universal data record mapping formatter.

99. The application object of claim 98 wherein the application data function call interpreter accesses user change data recorded by the application running on the network coupled device and interprets the function calls of the synchronization engine.

100. The application object of claim 99 wherein the application data function call interpreter includes an initialization call to perform an initialization of the device before data retrieval functions are called.

101. The application object of claim 99 wherein the application data function call interpreter includes a close database call.

102. The application object of claim 99 wherein the application data function call interpreter includes a get first modified record call.

103. The application object of claim 102 wherein the application data function call interpreter includes a get next modified record call.

104. The application object of claim 99 wherein the application data function call interpreter includes an add record call.

105. The application object of claim 99 wherein the application data function call interpreter includes an update record call.

106. The application object of claim 99 wherein the application data function call interpreter includes a delete record call.

107. The application object of claim 103 wherein the application data function call interpreter includes a set device records call to forward a list of records to add to the modified records list to be retrieved by the get first modified record call and the get next modified record call.

In the Abstract:

On page 94, line 2 - page 95, line 7, please delete the Abstract and insert therefor:

--In one aspect, an application object for a synchronization system is provided on a network coupled processing device. The application object may comprise a plurality of objects, each object translating third party data to a universal middle format, including a root object providing an entry point into individual application databases; and at least one child object; and at least one interface object.

In another aspect, an application object is provided on a server coupled to a network. In this aspect, the application object may comprise an application data function call interpreter, the interpreter being accessible to a synchronization engine and an application running on a network coupled device having user data; and a universal data record mapping formatter.--

Remarks

This Preliminary Amendment is submitted in order to enter new claims directed to a unique aspect of the inventive subject matter presented in the application, and to provide a revised Summary and Abstract in accordance with the new claims.

The Commissioner is authorized to charge any underpayment or credit any overpayment to Deposit Account No. 06-1325 for any matter in connection with this response, including any fee for extension of time, which may be required.

Respectfully submitted,

Date: 1/2/2001

By: Larry E. Vierra
Reg. No. 33,809

FLIESLER, DUBB, MEYER & LOVEJOY LLP
Four Embarcadero Center, Suite 400
San Francisco, California 94111-4156
Telephone: (415) 362-3800